

January 26, 2009

Analytical Report for Service Request No: K0900418

Al Deichsel Georgia Pacific Corporation 92326 Taylorville Road Clatskanie, OR 97016

RE: Wauna Foul Condensate/Q1 2009

Dear Al:

Enclosed are the results of the samples submitted to our laboratory on January 15, 2009. For your reference, these analyses have been assigned our service request number K0900418.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3358. You may also contact me via Email at LHuckestein@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Lynda Huckestein

Client Services Manager

LH/lb

Page 1 of 3

Acronyms

ASTM American Society for Testing and Materials

A2LA American Association for Laboratory Accreditation

CARB California Air Resources Board

CAS Number Chemical Abstract Service registry Number

CFC Chlorofluorocarbon
CFU Colony-Forming Unit

DEC Department of Environmental Conservation

DEQ Department of Environmental Quality

DHS Department of Health Services

DOE Department of Ecology
DOH Department of Health

EPA U. S. Environmental Protection Agency

ELAP Environmental Laboratory Accreditation Program

GC Gas Chromatography

GC/MS Gas Chromatography/Mass Spectrometry

LUFT Leaking Underground Fuel Tank

M Modified

MCL Maximum Contaminant Level is the highest permissible concentration of a

substance allowed in drinking water as established by the USEPA.

MDL Method Detection Limit

MPN Most Probable Number

MRL Method Reporting Limit

NA Not Applicable
NC Not Calculated

NCASI National Council of the Paper Industry for Air and Stream Improvement

ND Not Detected

NIOSH National Institute for Occupational Safety and Health

PQL Practical Quantitation Limit

RCRA Resource Conservation and Recovery Act

SIM Selected Ion Monitoring

TPH Total Petroleum Hydrocarbons

tr Trace level is the concentration of an analyte that is less than the PQL but greater

than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- B The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance
- The MRL/MDL has been elevated due to a matrix interference.
- X See case narrative.
- * The duplicate analysis not within control limits. See case narrative.
- + The correlation coefficient for the MSA is less than 0.995

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
- U The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
- i The MRL/MDL has been elevated due to a chromatographic interference.
- X See case narrative

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc. Kelso, WA State Certifications, Accreditations, and Licenses

THE		*
Program	Number	
Alaska DEC UST	UST-040	
Arizona DHS	AZ0339	
Arkansas - DEQ	88-0637	
California DHS	2286	
Colorado DPHE	•	
Florida DOH	E87412	
Hawaii DOH	-	
Idaho DHW	-	
Indiana DOH	C-WA-01	-
Louisiana DEQ	3016	
Louisiana DHH	LA050010	
Maine DHS	WA0035	
Michigan DEQ	9949	
Minnesota DOH	053-999-368	
Montana DPHHS	CERT0047	
Nevada DEP	WA35	
New Jersey DEP	WA005	
New Mexico ED		
North Carolina DWQ	605	
Oklahoma DEQ	9801	
Oregon - DHS	WA200001	
South Carolina DHEC	61002	
Utah DOH	COLU	
Washington DOE	C1203	
Wisconsin DNR	998386840	
Wyoming (EPA Region 8)	-	







Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Date Collected: 01/12/2009

Service Request: K0900418

Sample Matrix:

Aqueous liquid

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Inlet 1/12

Units: ug/mL

Lab Code:

K0900418-001

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	24	0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

Comments:

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Page 1 of 1 RR98128

SuperSet Reference:

Analytical Results

Client: Project: Georgia-Pacific Wood Products, LLC Wauna Foul Condensate/Q1 2009

Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/12/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Outlet 1/12

Units: ug/mL Basis: NA

Lab Code: **Extraction Method:** K0900418-002

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	0.93	0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	

Control %Rec Limits Note Surrogate Name

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Service Request: K0900418 Date Collected: 01/12/2009

Sample Matrix:

Aqueous liquid

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Foul Condensate 1/12

Units: ug/mL

Lab Code:

K0900418-003

Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	810	0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	2.7	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	4.9	1.0	1	01/21/09	01/21/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

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Form 1A - Organic

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC Wauna Foul Condensate/Q1 2009

Project: Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/12/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 1 1/12

Units: ug/mL

Lab Code:

K0900418-004

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

			Dilution	Date	Date	Extraction	
Analyte Name	Result	Q MR	L Factor	Extracted	Analyzed	Lot	Note
Methanol	0.91	0.50) 1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND 1	U 1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND I	U 1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND I	U 1.0	1	01/21/09	01/21/09	KWG0900509	

Control

Surrogate Name

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Limits

Note

Comments:

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project: Sample Matrix: Wauna Foul Condensate/Q1 2009

Aqueous liquid

Service Request: K0900418

Date Collected: 01/12/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 2 1/12

Units: ug/mL

Lab Code:

K0900418-005

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND	U	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	

Control

Surrogate Name

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Form 1A - Organic

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/13/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Inlet 1/13

Lab Code:

K0900418-006

Units: ug/mL Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	27		0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	and the section of the section of

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC Wauna Foul Condensate/Q1 2009

Project: Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/13/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Outlet 1/13

Units: ug/mL

Lab Code:

K0900418-007

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	0.72		0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	

Control

Surrogate Name

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Comments:

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/13/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Foul Condensate 1/13

Lab Code:

K0900418-008

Units: ug/mL Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	910	0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	4.2	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	4.9	1.0	1	01/21/09	01/21/09	KWG0900509	

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Sample Matrix:

Aqueous liquid

Service Request: K0900418

Date Collected: 01/13/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 1 1/13

Units: ug/mL

Lab Code:

K0900418-009

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

Methyl Ethyl Ketone

NCASI HAPS-99.01

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	6,3	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	

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Form 1A - Organic

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project: Sample Matrix: Wauna Foul Condensate/Q1 2009

Aqueous liquid

Service Request: K0900418

Date Collected: 01/13/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 2 1/13

Lab Code:

K0900418-010

Units: ug/mL Basis: NA

Extraction Method:

Surrogate Name

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

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				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND	U	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	

Control Limits

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Form 1A - Organic

SuperSet Reference:

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project: Sample Matrix: Wauna Foul Condensate/Q1 2009

Aqueous liquid

Service Request: K0900418

Date Collected: 01/14/2009 Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Inlet 1/14

Lab Code:

K0900418-011

Units: ug/mL Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99,01

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	21	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	400

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Surrogate Name

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Form 1A - Organic

SuperSet Reference:

RR98128

Page

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Service Request: K0900418 Date Collected: 01/14/2009

Sample Matrix:

Aqueous liquid

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Outlet 1/14

Units: ug/mL

Lab Code:

K0900418-012

Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND	U	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

	·
Comments:	

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Date Collected: 01/14/2009

Service Request: K0900418

Sample Matrix:

Aqueous liquid

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name: Lab Code:

Foul Condensate 1/14

K0900418-013

Units: ug/mL Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

			Dilution	Date	Date	Extraction	
Analyte Name	Result Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	860	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	1.9	1.0	1.	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	4.3	1.0	1	01/21/09	01/22/09	KWG0900509	

Note

Control %Rec Limits Surrogate Name

Comments:

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Form 1A - Organic

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SuperSet Reference:

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Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project: Sample Matrix: Wauna Foul Condensate/Q1 2009

Aqueous liquid

Service Request: K0900418

Date Collected: 01/14/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 1 1/14

Lab Code:

K0900418-014

Units: ug/mL Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND	U	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/22/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

Comments:	

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project: Sample Matrix: Wauna Foul Condensate/Q1 2009

Aqueous liquid

Service Request: K0900418

Date Collected: 01/14/2009

Date Received: 01/15/2009

HAPS in Condensates by GC/FID

Sample Name:

Zone 2 1/14

Units: ug/mL

Lab Code:

K0900418-015

Basis: NA

Extraction Method:

METHOD

Level: Low

Analysis Method:

NCASI HAPS-99.01

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND 1	U	0.50	1	01/21/09	01/22/09	KWG0900509	
Acetaldehyde	ND 1	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Propionaldehyde	ND 1	U	1.0	1	01/21/09	01/22/09	KWG0900509	
Methyl Ethyl Ketone	ND I	U	1.0	1	01/21/09	01/22/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

Comments:

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Form 1A - Organic

SuperSet Reference:

RR98128

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Page

Analytical Results

Client:

Georgia-Pacific Wood Products, LLC

Project:

Wauna Foul Condensate/Q1 2009

Date Collected: NA

Service Request: K0900418

Sample Matrix:

Aqueous liquid

Date Received: NA

HAPS in Condensates by GC/FID

Sample Name:

Method Blank

Units: ug/mL

Lab Code:

KWG0900509-4

Basis: NA

Extraction Method:

METHOD

Analysis Method:

NCASI HAPS-99.01

Level: Low

				Dilution	Date	Date	Extraction	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	Note
Methanol	ND	U	0.50	1	01/21/09	01/21/09	KWG0900509	
Acetaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Propionaldehyde	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	
Methyl Ethyl Ketone	ND	U	1.0	1	01/21/09	01/21/09	KWG0900509	

Control

Surrogate Name

%Rec

Limits

Note

Comments:

Printed: 01/26/2009 12:29:26 u:\Stealth\Crystal.rpt\Form1m.rpt

Merged

Form 1A - Organic

SuperSet Reference:

Page 1 of 1

RR98128

10 10
Columbia
Analytical
Services **
An Employee - Owned Company

FOUL CONDENSAIS

CHAIN OF CUSTODY

SR#: 40900418

DCUC #1 08/03

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PROJECT NAMAGER A DO COLO /		-		100	2/	BTEX		18	15	/	8151,	/				Si 10	5 /	206	(2)	′ /	/ /
COMPANY/ADDRESS WALNA UZ		CONTAINERS	Semivolatile S	100				1664 802		Chloropher 814	0/2	9	/0		7/4	TKN, TO	40x 15	0/.	2		
COMMON TO THE STATE OF THE STAT		ANA		827	Hydrocarbon 8021	belo	A Greas Screen	/=	/ 5	Chloropher 814	1571	2/2	Cyanici Dial or Dissolved	Chr.	NH3-N 500 1584 PO	DIF C		2/3	11/10		/ /
CITY/STATE/ZIP	/	00/		Ogan	30	Sel Se	Ji & Greass Screen	To To	000	picia	80	100	r Dis	Hex	58,4	Notal Notal	1 6	15	*	/ /	/ /
E-MAIL ADDRESS PHONE * 272 4517 - 259 7. FAX#	/	5/	le of	827	260	Die	10.5	南	13	814 814	etra	310	310W)	/	20.00	(cle)	0/	N			
SAMPLER'S SIGNATURE (NO.)	—/ ½	5/	Vola	ile o	ocarl	197	See	800	Cide	oph do	7	18. 7.	ist b	Sond	SAS		8/	A S		/	
SAMPLE I.D. DATE TIME LAB I.D. MATRIX	NUMBER	1	Sem	Volatile Orog	Hydr	OF E	Oil & Greace Screen	PCB's Arock	Pest	Chilo	PAH	Metals, To	Sya,	PH.	NA PARTY	TOX 900	1	3/			REMARKS
1NLET 1-12-59 11:00	12		\vdash					1					1					7	1	1	
	2							\dashv	-			-	-					-	 		
	7							\dashv				-	-	-				+-	\vdash	-	
Foul (undersold 1-12 10:55)	-							-					-	-				-	\vdash	-	
7014	2											-	-	-				-	-	 	
Zone 2 1-12 10:47	2											-	-	-			X	+	┼		
N/R+ 1-13 9:40	2											<u> </u>		<u> </u>			X	-	↓	-	
Outlet 1-13 9:35	2																X	1			
Foul (andersule 1-13 9:45	2																X				
Zone 1 1-13 a150	2			2													X				
70nez 1-13 9:55	2																X				
REPORT REQUIREMENTS INVOICE INFORMATION	N	Circle	which	metals	are to	be ana	alyzed:														
X I. Routine Report: Method Bill To:		То	tai Meia	als: Al	As	Sb B	a Be	B Ca	Cd	Co	Cr C	u Fe	Pb	Mg N	in Mo	Ni	K A	g Na	Se	Sr TI	Sn V Zn Hg
Blank, Surrogate, as		Disso	lved Mei	tals: Al	As	Sb B	Ba Be	ВСа	a 'Cd	Со	Cr C	u Fe	Pb	Mg A	ın Mo	o Ni	KA	g Na	Se	Sr Tl	Sn V Zn Hg
required	encurciona de con	-INE	ICATE	STA	TE HY	DRO	CARBO	ON PF	ROCE	DURE	: A	K CA	A WI	NO	RTHV	VEST	OTH	HER:_		(CIF	RCLE ONE)
II. Report Dup., MS, MSD as required TURNAROUND REQUIRER	MENTS	JOIL	CIAL	NSTR	UCTIO	ONS/C	COMM	ENTS													
24 hr48 hr.		An	9/45	2	Eu	1	the t	401	40/	M	ah	ul	01	1,1	1	4	110	,			
(includes all raw data) Standard (10-15 working	laurah .	110	10		,		, ,	11	1	7.1		71	/	7/	/ L	, . ,	1	1			
IV CLP Deliverable Report Provide FAX Results	, daysi			P	701	2/01	14	de	117	de		96	, fa	10	eh	40	1			01	
V. EDD				10		Na	1/1	1	11	A.	De.	-	07	- /	10	05		- 4	79	0/	,
Requested Report Date	9			1/5	1_	114	\$ 1.7	<i>O</i> 1	,,,	701	P))_	1	سند از ا	15	(1)			(,	,	Andrew State of the State of th
REDINQUISHED BY: 1/9/04 Signature Date Time Firm Printed Waffle Printed Name	Pent		BY:		097	w		nature nted N	2		- <u>{</u>	ate/lin	09 ne	/(2)	Signa	ature ed Na		ÉCEN	Date	5/19 1125



CHAIN OF CUSTODY

		SR#:_		
2405	7-0	- 2	CO% #	

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068 An Employee - Owned Company PROJECT NAME INCHINC Foul Condonsate Metals, Total or Dissolved CITY/STATE/ZIP PAHS 8310[] E-MAIL ADDRESS PHONE: 58 3 -455 -3370 SAMPLER'S SIGNATURE REMARKS MATRIX SAMPLEID TIME LAB I.D. 12:21 Zone Z 1-141 INVOICE INFORMATION Circle which metals are to be analyzed REPORT REQUIREMENTS P.O. # Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg I. Routine Report: Method Bill To: Blank, Surrogate, as Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg required *INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE) ___ II. Report Dup., MS, MSD as TURNAROUND REQUIREMENTS SPECIAL INSTRUCTIONS/COMMENTS: required Analyze For Methansi, Methy Ethyl Kotone Propion aldehydo, acetald ohydo by Method NCASI DI/HAPS-99,01 ____ 24 hr ___ III. Data Validation Report 5 Day (includes all raw data) Standard (10-15 working days) ___ IV. CLP Deliverable Report Provide FAX Results ___ V. EDD Requested Report Date RELINQUISHED BY: RECEIVED BY: RELINQUISHED BY; RECEIVED BY: 115/09 0920 1/15/09 1/23 Date/Time Signature, Signature Date/Fime CAS

Columbia Analytical Services, Inc. Cooler Receipt and Preservation Form

PC/H

Tient / Project: GP			-		Service	Requ	est <i>K09(</i>	X)4/1	F		
eceived: 1/15/09	Opened:	1/15/0	9	B ₂	1: Am	ani	da	7,0	,		
Samples were received via? Samples were received in: (circ) Were custody seals on coolers?	US Mail	PRESIDENCE AND PARTY.	UPS x N)	Envelo	ре	GH Other	GS PDX			and Del NA	ivered
If present, were custody seals in		Y	N				they signed an			Y	N
Is shipper's air-bill filed? If not							they signed an		(AM)	Y	N
Temperature of cooler(s) upor	receipt (°C	C):	0.5								
Temperature Blank (°C):		***************************************	0.4	010		******		***************************************).		_
Thermometer ID:		_5	MO	260					******		_
If applicable, list Chain of Custo					-			and the second second	-		
Packing material used. Insert.			123	Gel Paci	ks Wet	Ice !	Sleeves Othe	r			
Were custody papers properly fi									NA	6	N
Did all bottles arrive in good c					table bel	ow.			NA	0	N
). Were all sample labels complete		12.0							NA	0	N
 Did all sample labels and tags a 									NA	\sim	И
2. Were appropriate bottles/con									NA	(A)	N
3. Were the pH-preserved bottles t		2.5							0	Y	N
4. Were VOA vials and 1631 Mer				1.50				0	<i>E</i> 2	Υ	N
5. Are CWA Microbiology samp	les received	with $>1/2$ th	ne 24hi	. hold	time ren	iaining	g from collecti	on?		Y Y	N
6. Was C12/Res negative?	1									- Υ	N
Sample ID on Bottle	Samp	le ID on COC			Sample	ID on E	Bottle	Sa	mple ID or	1 COC	
								-			
	1			-			nd was of Townson to the State of the State	-			
Sample ID	Bottle Count	Bottle Type	Out of Temp	Head- space	Broken	рН	Reagent	Volume added	Reager Numl		Initials
			-	-							
			-						4		
4.400			-				***************************************	-			
			-					+			
			1					-			
							and the second s		***************************************		
oes not include all pH preserved sample ali			cerving S	OP (SMC)-GEN)						***************************************
lditional Notes, Discrepancies,	& Resoluti	ons:									